Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(For Other Works)

Date.....20.....

& Part bill

ision: RI - Yelahanka Division.

l Received No.....Dated.....Cash Book Voucher No.....dated.....

heduled Docket No.....

ame of Work: Repair and Improvements to roads and drains and footpaths of Devinagar Main Road in ward no. 08 Kodigehalli.

Job Code No: 008-20-000035 **P-CODE: P-2902** **Est. cost: 100.00 lakhs**

Name of Contractor and Full Address : M/s KRIDL, Bangalore.

Work Order No: EE/RI/YNK/WO/14/2019-20, **Dated : 18-12-2019**

Certified that the measurements were taken by me on 08/05/2020 and recorded in pages 510578 to 510586 of measurement Book No. 5106/18-19 and that the work is satisfactorily executed.

Assistant Executive Engineer,
R.R. Nagar Sub-Division,
KRIDL, BBMP, Bangalore

Contractor

Date: 08/05/2020

Officer-in-charge of work

Certified that the measurements were taken by me on 8/5/20 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

If Memorandum of Payment

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being.....percent Rs.....
3) Deduct amount to be held in Balance
4) Deduct Payment :
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No.....
   Amount adjusted towards cash advance recovery of
   b) Payments cost store or other materials supplied.
   Now made recovery of amount creditable to this/other work
   Amount paid on this bill Cheque/Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the office Cash Book Voucher No..... date .....less adjustments
7) Net amount due to or from contractor
   Unadjusted items
8) Advance to contractor for materials brought to site (as detailed) within value of Governme materials supplied

BILL AMOUNT	9024116/-
DEDUCTIONS	
INCOME TAX 1.5%	120858
CGST	80572/-
SGST	80572/-
F.S.D.	402862/-
L.C.	80572/-
CBF	8058/-
ADVANCE / Repair	205164/-
[illegible]	-NIL-
OTHER	-NIL-
Total Deductions	978608/-
Net Payable	8045508/-

Assistant Executive Engineer,
R.R. Nagar Sub-Division,
KRIDL, BBMP, Bangalore

Contractor's Signature

Received Rs.....(in words)
By Cash and by adjustment of Payment as per memorandum.
Witnesses :
1.

Assistant Executive Engineer,
R.R. Nagar Sub-Division,
KRIDL, BBMP, Bangalore

For use in the Office

2.

Dated.....Signature of Contractor

Bill Passed

Paid by me by cheque No.....Dated.....

Passed for Rs. 9024116/- only

Net Cheque Rs. 8045508/- only

Rs. in words Eighty lakh forty five Thousand five Hundred & Eighty only

Cash Rs.....Dated.....

Adjustment Rs. 978608/-

Initials of Officer Making Payment

Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Repair and Improvements to roads and drains and footpaths of Devinagar Main Road in ward no. 08 Kodigehalli

ABSTRACT

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
1	Removing and refixing stone slabs of drains and pointing in CM (1:3) with all lead and lift and as per the direction of Engineer in charge	Sqm	63.00	111.30	7011.90	-	-	62.90	111.30	7000.77	62.90	7000.77
2	KSRRB 300-1 Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all lead and lift and as per the direction of Engineer in charge	Cum	30.00	214.50	6435.05	-	-	29.98	214.50	6429.69	29.98	6429.69
3	KSRRB M300-14 Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 6.00 km and complete as per specifications with all lead and lift and as per the direction of Engineer in charge	Cum	235.56	57.02	13431.63	-	-	234.76	57.02	13386.24	234.76	13386.24
4	KSRRB M2100-10 Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.with all lead and lift and as per the direction of Engineer in charge	Cum	29.84	5421.90	161789.50	-	-	29.79	5421.90	161523.82	29.79	161523.82
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 10cm with all lead and lift and as per the direction of Engineer in charge	Cum	94.80	7273.72	689548.66	-	-	94.72	7273.72	688935.85	94.72	688935.85

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	6 [illegible] Providing TMT steel reinforcement for R.C.C work including straightening cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications with all lead and lift and as per the direction of Engineer in charge	Tn	3.80	72326.98	274480.89	-	-	3.80	72326.98	274734.03	3.80	274734.03
7	Providing and laying 100mm thick pre-cast cover slabs over drains of width not exceeding 800 mm using M20 concrete reinforced with steel @ 6.00 kg/Sqm. slabs jointed in CM 1:3 proportion and nicely finished including providing holes in the Cover slabs wherever necessary for easy drainage of surface water including of labour, materials, HOM of machineries, curing, lead and lift charges etc. 1200mm width, with all lead and lift and as per the direction of Engineer in charge	m	133.00	1375.03	182879.26	-	-	133.00	1375.03	182879.26	133.00	182879.26
8	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, 60mm thick using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. with all lead and lift and as per the direction of Engineer in charge	Sqm	240.00	1116.18	267883.20	-	-	~~1116.18~~	0.00	0.00	0.00	
9	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. with all lead and lift and as per the direction of Engineer in charge	Nos	892.00	432.48	385772.16	-	-	535.00	432.48	231376.80	535.00	231376.80
10	KSRRB 800-1: Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications with all lead and lift and as per the direction of Engineer in charge	Sqm	672.00	84.80	56985.60	-	-	0.00	84.80	0.00	0.00	0.00
11	KSRRB 300-50: Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by mechanical means attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM complete as per specifications with all lead and lift and as per the direction of Engineer in charge	Sqm	2511.00	41.34	103804.74	-	-	2510.88	41.34	103799.57	2510.88	103799.57
12	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing by mix in place method by rotavator at OMC,spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specification with all lead and lift and as per the direction of Engineer in charge	Cum	400.65	1855.00	743205.75	-	-	376.63	1855.00	698650.97	376.63	698650.97

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	macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications with all lead and lift and as per the direction of Engineer in charge	Cum	564.98	2001.28	1130673.17	-	-	564.95	2001.28	1130616.88	564.95	1130616.88
14	KSRRB M 500-6. Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications with all lead and lift and as per the direction of Engineer in charge	Sqm	6026.00	29.68	178851.68	-	-	6025.00	29.68	178821.85	6025.00	178821.85
15	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications, with all lead and lift and as per the direction of Engineer in charge	Sqm	3515.00	5.30	18629.50	-	-	3514.12	5.30	18624.84	3514.12	18624.84
16	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications with all lead and lift and as per the direction of Engineer in charge	Sqm	6026.00	12.72	76650.72	-	-	6025.00	12.72	76637.94	6025.00	76637.94
17	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen with all lead and lift and as per the direction of Engineer in charge	Cum	301.30	6858.20	2066375.66	-	-	301.25	6858.20	2066031.04	301.25	2066031.04
18	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. using – do – using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) with all lead and lift and as per the direction of Engineer in charge	Cum	241.04	8049.64	1940285.23	-	-	241.00	8049.64	1939961.63	241.00	1939961.63

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19	KSRRB M800-13 Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications with all lead and lift and as per the direction of Engineer in charge	Sqm	126.50	454.74	57524.61	-	-		454.74	0.00	0.00	0.00
20	KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation with all lead and lift and as per the direction of Engineer in charge	Nos	225.00	357.22	80374.50	-	-		357.22	0.00	0.00	0.00
	Total				**8442593.39**					**7779411.17**		**7779411.17**
	4% KRIDL Charges				**337703.74**					**311176.45**		**311176.45**
	12% GST Charges				**1053635.66**					**933529.34**		**933529.34**
	Grand Total				**9833932.78**					**9024116.96**		**9024116.96**

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Total value: 8057246/-

90,24,116/-

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

Assistant Engineer

08/05/2020

Consultant

Asst. Executive Engineer,

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